

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Find area of irregular shape	1999	26.5(1.4)	29.8(1.8)	23.4(1.7)	31.0(1.9)	8.3(1.7)	19.6(3.6)
	1996	27.1(1.7)	31.2(2.3)	23.3(2.1)	32.7(2.2)	6.0(1.9)	9.9(1.8)
	1994	21.6(2.0)	26.1(2.8)	17.1(1.7)	25.2(2.3)	5.8(1.9)	17.7(5.2)
	1992	23.6(1.8)	28.4(2.6)	18.6(1.5)	27.2(2.0)	6.0(1.9)	17.8(3.0)
	1990	22.2(1.8)	25.8(2.2)	18.6(2.0)	24.3(2.1)	11.2(3.5)	13.6(3.7)
	1986	19.5(1.2)	24.7(2.0)	14.6(1.5)	22.5(1.3)	5.3(1.9)	6.2(2.6)
	1982	13.9(1.2)	17.2(1.7)	10.8(1.2)	16.1(1.3)	3.1(0.9)	3.2(1.8)
Relate square to circle	1999	68.7(1.4)	68.3(1.7)	69.4(1.8)	74.4(2.0)	50.8(2.4)	53.8(4.4)
	1996	69.3(1.6)	71.0(1.8)	67.6(1.8)	72.8(1.6)	57.8(3.8)	56.6(3.5)
	1994	63.3(1.4)	63.6(1.8)	63.3(2.0)	68.5(1.6)	45.9(4.4)	48.9(4.2)
	1992	63.9(1.4)	64.9(2.1)	62.8(1.9)	67.6(1.6)	46.6(3.2)	52.5(4.8)
	1990	63.6(1.7)	64.6(1.9)	62.6(2.1)	66.2(1.9)	56.3(4.5)	52.1(6.8)
	1986	54.6(1.6)	59.5(2.3)	50.2(1.8)	57.1(1.9)	44.0(3.2)	42.4(4.6)
	1982	57.7(1.5)	61.9(2.5)	53.6(2.2)	61.6(1.6)	35.1(3.5)	46.4(3.9)
Use properties of triangles	1999	74.3(1.1)	73.9(1.8)	74.8(1.6)	78.7(1.2)	57.5(2.7)	63.4(3.5)
	1996	73.9(2.0)	74.6(2.0)	73.3(2.6)	77.7(2.5)	63.6(2.9)	57.8(4.2)
	1994	69.5(1.7)	70.2(2.3)	68.8(2.1)	73.8(1.6)	53.1(5.2)	64.2(5.5)
	1992	70.4(1.2)	70.0(1.4)	70.8(1.7)	74.4(1.4)	55.6(3.3)	54.9(4.4)
	1990	68.3(1.8)	68.1(2.0)	68.4(2.0)	70.9(2.1)	58.2(4.5)	55.6(3.9)
	1986	62.7(1.9)	64.6(2.1)	61.0(2.2)	66.5(1.9)	48.7(4.2)	43.0(4.2)
	1982	58.2(1.5)	59.1(1.8)	57.3(1.6)	61.9(1.8)	40.4(3.4)	32.8(4.1)
Use properties of triangles	1999	64.0(1.0)	64.1(1.4)	64.0(1.3)	67.2(1.2)	49.2(2.5)	59.3(3.1)
	1996	61.8(1.6)	62.2(1.9)	61.6(2.6)	64.8(1.9)	53.2(2.2)	49.1(3.8)
	1994	60.2(1.4)	61.2(1.6)	59.2(2.3)	63.6(1.7)	46.7(3.0)	57.0(5.6)
	1992	57.7(1.5)	57.3(1.7)	58.2(2.1)	60.7(1.4)	47.5(2.8)	43.3(6.4)
	1990	57.4(1.6)	57.2(2.1)	57.5(1.7)	58.5(1.8)	51.9(3.2)	49.4(***)
	1986	57.2(1.5)	57.6(1.5)	56.8(2.3)	61.1(1.7)	42.0(3.4)	46.3(4.3)
	1982	54.3(1.2)	54.3(1.7)	54.3(1.7)	56.6(1.3)	44.0(3.2)	38.1(5.1)
Use properties of triangles	1999	58.8(1.2)	59.9(1.9)	58.0(2.0)	63.9(1.7)	40.6(2.7)	48.3(3.7)
	1996	57.0(2.0)	59.3(2.1)	54.7(2.5)	60.1(2.5)	42.5(3.1)	48.9(4.0)
	1994	51.9(1.5)	54.8(2.3)	49.2(1.7)	54.4(1.8)	41.6(3.4)	46.6(4.9)
	1992	53.9(1.2)	55.8(1.9)	51.9(1.4)	56.1(1.5)	42.7(2.9)	45.3(3.6)
	1990	49.6(2.0)	52.4(2.7)	46.7(2.3)	51.4(1.9)	43.9(6.2)	35.4(5.3)
	1986	45.7(1.7)	47.3(2.3)	44.3(1.8)	49.3(2.0)	30.1(3.9)	34.3(5.1)
	1982	44.9(1.8)	46.1(2.2)	43.8(1.8)	48.1(2.2)	26.1(2.7)	32.8(5.9)
Use properties of triangles	1999	57.9(1.2)	59.5(2.0)	56.5(1.9)	61.6(1.3)	43.7(2.3)	49.3(3.2)
	1996	59.5(1.7)	62.5(2.3)	56.6(2.4)	63.0(2.2)	46.9(3.0)	47.2(4.6)
	1994	54.2(1.5)	55.4(2.1)	53.1(1.7)	56.9(1.7)	44.3(3.1)	45.2(4.4)
	1992	55.8(1.2)	56.2(1.7)	55.4(1.6)	58.2(1.3)	45.2(2.8)	47.5(5.2)
	1990	54.3(1.5)	56.2(1.6)	52.3(2.1)	56.4(1.6)	43.7(3.4)	47.7(6.0)
	1986	50.2(1.5)	53.6(1.6)	47.0(2.1)	53.0(1.6)	38.0(3.0)	36.3(6.6)
	1982	50.9(1.6)	52.2(2.0)	49.6(1.9)	53.7(1.9)	33.0(2.5)	43.3(6.0)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Identify a sphere	1999	85.2(1.0)	88.1(1.2)	82.6(1.5)	90.0(1.0)	67.4(2.9)	76.6(3.3)
	1996	83.5(1.1)	86.3(1.4)	81.0(1.5)	86.5(1.3)	71.1(3.1)	74.4(2.7)
	1994	80.7(1.1)	84.9(1.4)	76.5(1.6)	85.5(1.0)	65.3(4.9)	69.5(5.3)
	1992	82.3(1.3)	86.0(1.7)	78.3(1.6)	84.1(1.3)	74.2(4.8)	77.9(3.5)
	1990	80.0(1.4)	82.4(1.8)	77.6(1.5)	83.7(1.1)	65.9(5.1)	67.8(7.6)
	1986	77.2(1.3)	79.4(2.1)	75.1(1.7)	81.8(1.4)	62.2(3.9)	54.9(4.8)
	1982	76.1(1.5)	77.5(1.7)	74.8(1.8)	81.6(1.4)	49.4(4.7)	55.6(4.6)
Apply angle addition property	1999	60.6(1.3)	62.3(1.9)	59.0(1.8)	64.0(1.7)	44.6(2.4)	58.0(3.5)
	1996	62.6(1.6)	64.9(2.0)	60.4(2.2)	66.1(2.1)	48.9(3.5)	52.6(3.1)
	1994	61.2(1.1)	61.8(1.6)	60.9(1.6)	64.7(1.6)	50.5(4.0)	52.2(5.2)
	1992	59.6(1.5)	61.7(1.6)	57.4(2.1)	62.3(1.4)	46.4(3.4)	51.1(5.5)
	1990	59.8(1.8)	60.5(1.9)	59.0(2.2)	61.9(2.2)	51.5(3.1)	51.8(5.5)
	1986	60.2(1.6)	62.3(2.4)	58.3(2.1)	64.0(1.6)	41.6(5.4)	51.8(5.3)
	1982	63.7(1.6)	65.3(1.9)	62.3(2.1)	67.4(1.5)	48.0(3.4)	43.9(4.3)
Identify parallel lines	1999	96.6(0.5)	95.9(0.8)	97.4(0.5)	97.7(0.5)	91.6(2.1)	95.3(1.3)
	1996	96.6(0.4)	96.0(0.7)	97.1(0.6)	97.2(0.5)	95.5(1.2)	93.2(1.3)
	1994	96.2(0.6)	96.0(0.7)	96.4(0.7)	97.1(0.7)	93.2(2.0)	94.4(2.2)
	1992	96.4(0.4)	95.7(0.7)	97.2(0.6)	97.6(0.4)	91.8(2.2)	93.2(2.5)
	1990	97.1(0.5)	96.8(0.8)	97.5(0.6)	98.0(0.4)	95.7(1.0)	91.1(5.2)
	1986	95.8(0.6)	96.2(0.7)	95.4(0.8)	97.9(0.4)	87.5(2.4)	90.9(3.2)
	1982	96.3(0.6)	97.0(0.7)	95.6(0.9)	97.8(0.5)	89.5(2.2)	87.3(2.3)
Identify perpendicular lines	1999	70.9(1.5)	68.2(2.0)	73.6(1.9)	76.5(1.6)	50.4(3.3)	56.4(4.4)
	1996	68.8(1.9)	67.7(2.0)	69.9(2.9)	73.2(2.6)	58.7(3.1)	45.2(3.5)
	1994	68.9(1.9)	68.3(2.1)	69.9(2.5)	73.0(2.1)	56.2(3.0)	58.1(7.6)
	1992	68.3(1.3)	64.9(1.6)	71.9(1.7)	71.4(1.3)	57.6(4.1)	52.9(3.2)
	1990	65.8(1.8)	64.1(2.4)	67.6(1.8)	68.9(2.2)	55.7(4.5)	46.9(4.2)
	1986	65.4(1.7)	65.8(2.0)	65.0(2.2)	70.1(1.7)	46.8(3.9)	48.7(5.1)
	1982	70.3(1.7)	73.8(2.3)	67.2(2.0)	74.6(1.7)	49.1(3.9)	53.1(4.7)
Apply concept of inequality (Item not scaled)	1999	26.3(1.3)	30.9(1.8)	21.9(1.6)	28.0(1.9)	23.3(2.9)	14.1(3.8)
	1996	25.2(1.1)	30.1(1.5)	20.5(1.6)	25.8(1.3)	22.3(1.9)	22.2(2.5)
	1994	25.3(1.4)	28.1(1.9)	22.6(1.7)	27.0(1.6)	20.4(2.8)	18.8(3.3)
	1992	23.8(1.0)	25.6(1.6)	21.9(1.6)	24.0(1.1)	21.5(2.9)	23.2(3.4)
	1990	25.5(1.3)	30.0(1.9)	21.0(1.3)	24.7(1.6)	25.1(2.4)	28.9(5.4)
	1986	25.5(1.2)	28.2(2.2)	23.1(1.3)	26.1(1.4)	19.4(2.3)	27.8(4.2)
	1982	35.4(1.2)	37.0(2.0)	34.0(1.3)	36.9(1.5)	25.7(3.0)	35.9(4.5)
Define equivalent equations	1999	58.7(1.6)	56.0(2.0)	61.1(2.0)	63.7(1.8)	42.5(2.8)	43.3(5.5)
	1996	56.5(1.6)	55.3(2.1)	57.7(2.2)	63.7(2.0)	41.3(2.8)	42.0(3.8)
	1994	55.6(1.8)	53.9(2.1)	57.4(2.7)	61.0(1.9)	37.3(4.1)	40.5(3.9)
	1992	57.0(1.3)	56.2(1.8)	57.8(1.6)	62.5(1.5)	38.7(3.0)	46.7(4.4)
	1990	55.1(1.6)	55.0(1.8)	55.1(2.3)	58.6(1.5)	40.2(3.8)	50.6(4.5)
	1986	56.5(2.8)	56.0(3.4)	57.0(3.2)	59.4(3.1)	44.0(4.4)	45.8(4.4)
	1982	52.5(2.2)	53.7(2.6)	51.3(2.6)	55.8(2.5)	38.4(3.7)	31.5(5.0)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Identify valid identity	1999	32.0(1.3)	33.2(1.9)	30.9(1.4)	33.3(1.4)	25.5(2.1)	29.1(3.1)
	1996	36.1(1.4)	38.1(1.8)	34.2(2.1)	38.1(1.6)	26.5(3.0)	29.2(2.7)
	1994	30.2(1.4)	30.3(2.1)	30.2(1.3)	31.4(1.5)	27.3(2.6)	18.8(3.2)
	1992	33.9(1.3)	34.2(1.8)	33.6(1.9)	35.3(1.5)	26.6(2.8)	27.6(4.8)
	1990	33.9(1.5)	33.9(1.8)	33.9(1.8)	35.2(1.5)	26.8(3.4)	29.2(9.4)
	1986	32.0(1.4)	33.4(1.9)	30.7(1.7)	33.0(1.7)	27.5(2.6)	26.7(3.2)
	1982	38.6(1.9)	39.5(2.4)	37.8(2.0)	40.2(2.0)	31.0(3.7)	33.1(4.2)
Add monomials	1999	85.5(1.1)	82.1(1.9)	89.0(1.1)	88.6(1.1)	72.1(3.2)	80.7(3.1)
	1996	83.4(1.5)	81.6(1.4)	85.3(1.8)	86.7(1.9)	68.9(2.5)	74.8(4.6)
	1994	82.2(1.2)	81.0(1.8)	84.0(1.6)	84.6(1.5)	75.5(2.3)	74.6(4.3)
	1992	79.5(1.2)	77.0(1.4)	82.1(1.8)	82.7(1.2)	67.0(3.8)	63.6(3.8)
	1990	78.3(1.5)	75.0(1.9)	81.6(1.6)	81.1(1.7)	68.0(5.3)	61.4(5.6)
	1986	73.3(1.7)	71.6(2.0)	74.9(1.9)	77.4(1.8)	55.8(3.9)	58.5(5.3)
	1982	64.4(1.3)	63.0(1.8)	65.7(1.7)	67.7(1.5)	46.4(3.4)	45.7(3.2)
Simplify square root	1999	13.2(0.8)	15.3(1.2)	11.1(1.1)	15.6(1.2)	5.0(1.0)	6.0(2.0)
	1996	14.7(1.3)	17.4(2.1)	12.2(1.2)	16.4(1.6)	6.7(1.7)	8.9(2.4)
	1994	15.5(1.2)	19.9(2.2)	11.1(1.4)	17.3(1.4)	9.6(2.9)	5.0(1.3)
	1992	16.4(1.0)	18.2(1.6)	14.6(1.3)	18.4(1.1)	6.1(2.0)	9.0(2.8)
	1990	15.2(1.1)	17.9(1.4)	12.4(1.3)	16.1(1.2)	11.0(2.7)	8.7(4.4)
	1986	15.0(1.3)	18.2(1.8)	12.1(1.4)	16.6(1.5)	4.8(1.8)	7.1(3.0)
	1982	11.8(1.3)	13.2(1.8)	10.5(1.3)	12.8(1.4)	3.9(1.3)	11.1(3.8)
Evaluate function for value	1999	57.6(1.9)	55.9(2.4)	59.0(2.0)	62.7(2.2)	40.9(2.8)	39.5(4.9)
	1996	56.1(1.7)	53.0(2.1)	59.2(2.0)	61.9(2.1)	37.6(3.1)	49.5(4.1)
	1994	58.1(1.8)	55.8(2.5)	60.3(2.1)	62.7(1.9)	46.2(3.2)	42.2(4.9)
	1992	56.3(1.6)	55.4(2.1)	57.2(2.1)	61.6(1.8)	36.4(3.0)	40.6(5.7)
	1990	50.4(1.5)	47.9(2.0)	52.5(1.9)	53.2(1.5)	44.9(5.4)	34.6(4.6)
	1986	53.4(1.8)	52.5(2.6)	54.3(2.4)	56.4(1.8)	38.7(5.2)	43.1(4.0)
	1982	48.8(1.8)	49.6(1.9)	48.1(2.3)	50.8(1.7)	38.7(4.5)	34.1(7.3)
Evaluate algebraic expression	1999	91.5(0.7)	91.4(1.1)	91.8(1.0)	93.8(0.7)	86.5(1.8)	81.7(1.9)
	1996	91.0(0.8)	89.8(1.0)	92.1(0.9)	93.7(1.0)	83.7(2.6)	76.5(3.0)
	1994	91.2(0.8)	90.7(1.1)	92.1(1.1)	93.1(0.8)	86.1(2.1)	84.7(4.3)
	1992	91.2(1.0)	89.9(1.2)	92.5(1.1)	93.2(0.7)	83.8(3.6)	82.6(4.9)
	1990	90.8(0.8)	90.1(1.2)	91.6(0.8)	92.3(0.7)	85.6(2.9)	83.7(6.3)
	1986	89.3(0.9)	88.7(1.3)	90.0(0.9)	92.3(1.0)	78.2(3.0)	81.0(3.4)
	1982	89.1(0.9)	88.8(1.3)	89.5(1.2)	91.6(0.9)	75.3(2.4)	82.3(3.8)
Identify number line property	1999	72.9(1.4)	74.1(1.3)	72.0(2.1)	78.8(1.2)	50.8(4.1)	60.3(7.3)
	1996	77.0(1.8)	78.7(1.9)	75.6(2.3)	81.0(2.2)	63.9(2.9)	62.4(5.6)
	1994	71.7(1.0)	73.1(1.5)	70.6(1.2)	77.2(0.9)	51.3(3.5)	59.0(4.1)
	1992	74.5(1.2)	75.3(1.7)	73.7(1.8)	79.2(1.2)	54.4(3.5)	58.2(4.2)
	1990	71.7(1.4)	73.2(2.0)	70.3(1.6)	76.5(1.3)	52.7(5.0)	58.1(4.1)
	1986	69.0(1.7)	70.3(2.1)	67.7(2.2)	74.4(1.8)	44.9(3.3)	51.1(3.8)
	1982	61.4(1.6)	65.5(2.4)	57.3(2.5)	66.1(1.6)	37.6(2.4)	39.4(4.7)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Identify linear inequality	1999	34.0(1.3)	34.1(1.8)	33.8(1.6)	33.0(1.4)	36.8(3.1)	34.1(4.8)
	1996	34.7(1.1)	35.5(2.0)	33.9(1.8)	37.3(1.3)	30.6(2.6)	23.5(3.3)
	1994	33.5(1.2)	36.2(1.4)	31.1(1.9)	35.7(1.5)	28.2(3.0)	27.5(3.6)
	1992	34.4(1.2)	34.7(1.8)	34.1(1.9)	35.2(0.9)	29.3(5.9)	29.8(4.5)
	1990	35.1(1.7)	37.4(2.0)	33.1(2.0)	36.6(1.8)	30.3(4.2)	29.4(3.2)
	1986	35.4(1.9)	38.1(2.5)	32.7(2.0)	35.5(2.2)	33.8(3.5)	34.8(5.5)
	1982	32.0(1.7)	31.9(2.1)	32.0(1.7)	33.0(2.1)	28.0(3.0)	25.5(4.7)
Find percent greater than 100	1999	76.9(1.1)	80.6(1.5)	73.4(1.7)	82.3(1.2)	52.2(3.4)	72.8(3.2)
	1996	76.0(1.3)	81.3(1.4)	71.0(1.8)	80.7(1.6)	57.2(3.2)	63.6(3.0)
	1994	71.3(1.6)	78.1(1.8)	64.8(2.1)	77.4(1.6)	48.2(4.5)	57.9(6.5)
	1992	73.6(1.6)	78.3(2.3)	68.6(1.7)	77.0(1.6)	58.4(3.6)	62.8(4.4)
	1990	72.8(1.6)	76.0(1.9)	69.7(2.1)	77.4(1.8)	55.7(3.8)	55.2(8.0)
	1986	70.6(1.4)	75.2(1.7)	66.5(1.9)	74.4(1.6)	57.4(3.6)	56.1(5.1)
	1982	65.0(1.6)	67.4(2.1)	62.6(1.8)	68.0(1.7)	49.5(3.5)	54.4(4.8)
Understand concept of percent	1999	75.1(1.1)	79.3(1.3)	71.3(1.7)	82.6(1.3)	47.2(2.6)	61.0(4.3)
	1996	73.4(1.5)	79.7(1.7)	67.5(2.1)	79.0(1.9)	52.7(3.5)	54.7(4.4)
	1994	70.9(1.2)	76.0(1.5)	65.9(1.8)	76.7(1.2)	50.4(3.0)	58.6(5.9)
	1992	71.0(1.6)	75.2(2.3)	66.5(1.7)	75.8(1.3)	51.3(5.3)	50.6(4.1)
	1990	70.5(1.8)	75.1(2.2)	65.9(1.9)	75.8(1.7)	54.4(6.8)	43.1(8.0)
	1986	69.6(1.4)	74.1(1.9)	65.5(1.9)	75.8(1.2)	46.3(4.3)	47.7(7.6)
	1982	71.4(1.8)	76.2(1.8)	66.6(2.3)	76.3(1.5)	46.8(5.0)	51.5(6.1)
Convert decimal to percent	1999	66.5(1.2)	67.9(1.9)	65.3(1.6)	71.9(1.7)	45.0(2.4)	55.5(5.0)
	1996	64.1(1.9)	67.4(2.5)	61.0(2.5)	69.3(2.0)	45.8(3.6)	43.1(4.3)
	1994	60.0(1.5)	63.4(1.8)	57.0(1.7)	64.4(1.8)	41.6(5.3)	53.7(6.3)
	1992	60.8(1.4)	62.7(1.7)	58.9(1.6)	64.5(1.6)	41.2(4.1)	55.5(3.5)
	1990	61.3(1.8)	62.0(2.7)	60.6(1.9)	64.1(1.7)	49.1(5.2)	45.7(5.9)
	1986	54.1(1.6)	55.3(2.4)	53.0(1.6)	58.4(1.8)	34.3(2.4)	37.5(4.8)
	1982	44.9(1.9)	49.2(2.8)	40.6(2.0)	48.5(2.1)	25.7(3.5)	29.9(5.0)
Convert percent to decimal	1999	94.1(0.6)	93.7(0.8)	94.7(0.7)	96.4(0.6)	87.2(2.2)	88.8(3.4)
	1996	93.5(0.8)	93.7(1.0)	93.4(1.0)	94.9(0.8)	91.5(2.1)	86.3(1.9)
	1994	92.7(0.7)	92.0(0.9)	93.5(1.1)	93.8(0.8)	88.8(2.4)	89.4(2.9)
	1992	93.3(1.0)	92.8(1.1)	93.8(1.1)	94.5(1.0)	89.1(2.8)	88.0(2.6)
	1990	94.9(0.6)	94.3(0.9)	95.5(0.7)	95.6(0.5)	90.1(2.1)	96.2(1.9)
	1986	92.6(0.6)	91.1(1.1)	94.0(0.7)	94.0(0.5)	87.1(2.6)	88.2(2.8)
	1982	81.6(0.9)	81.7(1.6)	81.6(1.3)	83.4(1.1)	74.7(2.3)	71.9(5.5)
Use concept of percent	1999	56.9(1.3)	61.3(1.7)	52.8(2.0)	66.4(1.6)	25.1(2.2)	39.3(4.4)
	1996	58.9(1.8)	63.7(2.0)	54.4(2.2)	66.3(2.5)	31.0(4.5)	34.5(3.6)
	1994	58.9(1.8)	65.0(2.0)	53.0(2.0)	66.4(1.6)	29.9(3.3)	46.2(7.1)
	1992	63.4(1.8)	68.5(2.5)	58.0(2.2)	69.6(1.8)	37.8(4.2)	44.2(5.0)
	1990	62.4(1.8)	66.0(2.2)	58.8(1.9)	69.5(1.9)	37.2(5.3)	41.0(6.2)
	1986	61.1(1.7)	64.8(2.1)	57.7(2.3)	67.4(1.8)	34.2(4.2)	42.3(7.1)
	1982	70.9(1.7)	74.5(1.5)	67.4(2.7)	76.8(1.9)	45.2(3.1)	45.1(1.8)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Find percent of number	1999	67.9(1.3)	70.2(1.4)	65.9(2.0)	73.1(1.6)	48.1(2.5)	55.2(4.6)
	1996	66.1(1.7)	69.6(1.9)	62.8(2.1)	69.8(2.1)	51.5(2.8)	53.5(5.5)
	1994	64.0(1.5)	66.7(2.1)	61.1(2.0)	68.2(1.6)	47.1(3.5)	57.8(5.1)
	1992	71.1(1.0)	73.8(1.5)	68.4(1.5)	74.0(1.0)	62.2(3.0)	56.4(4.7)
	1990	69.2(1.6)	74.1(1.8)	64.2(2.2)	72.8(1.7)	58.1(5.1)	46.4(4.8)
	1986	68.4(1.4)	71.9(1.6)	65.2(1.9)	72.9(1.3)	49.5(3.5)	54.9(5.3)
	1982	69.6(1.4)	75.1(1.6)	64.2(2.0)	73.5(1.5)	49.4(2.7)	49.1(4.6)
Solve percent problem (Calculator item - not scaled)	1999	73.9(1.6)	78.4(1.8)	69.7(2.4)	79.4(1.6)	53.0(2.2)	61.4(4.9)
	1996	70.8(1.9)	74.4(2.0)	67.0(2.5)	76.7(1.9)	56.4(3.9)	60.2(3.5)
	1994	70.8(1.7)	72.4(2.3)	69.0(1.8)	76.1(1.8)	57.2(3.9)	51.4(4.9)
	1992	70.0(1.2)	74.5(1.3)	65.4(1.9)	75.1(1.1)	52.7(4.0)	57.0(4.4)
	1990	68.2(1.5)	73.0(1.7)	64.0(2.3)	73.7(1.4)	52.6(4.5)	51.1(3.9)
	1986	68.3(1.5)	70.9(2.1)	65.7(1.8)	73.4(1.4)	43.0(4.6)	60.9(5.5)
	1982	72.4(1.9)	72.6(2.9)	72.2(1.9)	75.5(2.2)	57.6(3.3)	57.5(2.8)
Add integers	1999	88.7(1.1)	89.9(1.0)	87.9(1.4)	92.2(0.9)	76.1(3.8)	79.9(2.8)
	1996	89.8(1.0)	91.2(1.3)	88.4(1.3)	92.2(1.1)	79.6(2.5)	83.0(4.0)
	1994	87.3(0.8)	86.9(1.3)	87.9(1.1)	89.8(1.1)	79.2(2.3)	78.7(2.8)
	1992	87.2(1.0)	88.7(0.9)	85.6(1.7)	89.8(1.0)	77.8(2.3)	76.8(4.2)
	1990	87.0(1.2)	86.3(1.6)	87.6(1.2)	89.2(1.4)	77.7(3.4)	77.9(5.0)
	1986	82.9(1.2)	83.8(1.4)	82.2(1.9)	86.8(1.0)	66.3(4.3)	70.2(5.1)
	1982	76.8(1.5)	79.1(1.6)	74.5(1.9)	82.2(1.3)	49.6(5.2)	59.4(5.1)
Add integers	1999	92.3(0.8)	93.2(0.9)	91.8(1.0)	95.3(0.8)	83.1(2.8)	83.6(2.8)
	1996	92.0(0.7)	93.1(0.9)	91.0(1.0)	94.7(1.0)	82.9(2.1)	80.5(2.0)
	1994	90.6(0.9)	92.3(1.3)	89.3(1.1)	93.6(0.9)	82.1(2.6)	81.8(4.4)
	1992	90.5(0.9)	91.6(1.3)	89.4(1.0)	92.9(0.8)	82.0(3.6)	80.0(3.6)
	1990	89.4(1.2)	88.9(1.6)	89.9(1.2)	92.6(0.9)	80.0(3.4)	70.6(***)
	1986	87.2(1.3)	89.5(1.4)	85.1(1.7)	90.8(1.0)	71.9(4.4)	76.4(4.7)
	1982	84.1(1.3)	84.7(1.5)	83.5(1.8)	89.0(1.3)	60.3(3.9)	61.6(5.1)
Estimate square root	1999	53.6(1.5)	56.9(2.1)	50.4(1.5)	61.8(1.9)	24.6(2.8)	37.6(4.9)
	1996	52.0(2.0)	58.6(2.4)	45.8(2.6)	56.7(2.5)	34.1(3.1)	35.8(3.8)
	1994	45.7(1.7)	51.1(2.0)	40.4(2.4)	51.6(2.1)	24.5(3.1)	32.9(5.2)
	1992	47.1(1.5)	50.7(1.7)	43.4(2.1)	52.3(1.8)	23.8(3.4)	34.6(3.5)
	1990	48.3(2.0)	51.4(2.4)	45.2(2.3)	52.7(2.1)	32.7(6.0)	26.4(4.8)
	1986	46.2(1.5)	50.1(2.1)	42.7(2.1)	50.7(1.7)	27.3(3.6)	29.7(3.2)
	1982	42.5(2.0)	48.3(2.8)	36.7(2.5)	47.3(2.2)	17.9(2.3)	27.3(3.7)
Estimate square root	1999	65.6(1.7)	66.7(2.6)	64.6(1.9)	71.5(2.2)	41.1(3.3)	52.1(5.9)
	1996	63.9(2.0)	67.3(2.0)	60.7(2.9)	67.4(2.5)	48.5(3.4)	57.5(4.5)
	1994	60.1(1.6)	62.9(2.2)	57.2(1.8)	65.4(1.9)	40.0(4.0)	50.2(5.5)
	1992	59.0(1.5)	61.2(1.8)	56.8(2.0)	63.9(1.5)	36.3(4.1)	47.9(4.7)
	1990	58.1(2.1)	60.2(2.6)	56.0(2.0)	62.6(2.2)	41.6(6.9)	39.4(5.0)
	1986	53.1(1.8)	57.9(2.7)	48.7(2.1)	58.1(1.8)	32.1(4.4)	37.5(4.7)
	1982	56.3(1.8)	59.9(2.2)	52.9(2.6)	60.6(1.7)	31.0(3.3)	44.7(4.9)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Solve number sentence	1999	71.3(1.2)	72.3(1.6)	70.4(1.9)	76.3(1.2)	52.3(2.0)	60.9(4.1)
	1996	71.0(1.3)	71.1(1.9)	71.0(1.8)	74.2(1.4)	60.2(3.5)	60.8(3.2)
	1994	65.9(1.6)	67.1(1.8)	65.0(2.5)	71.0(1.5)	49.0(3.4)	54.6(4.7)
	1992	72.7(1.3)	72.0(1.9)	73.4(1.6)	77.4(1.2)	53.1(4.3)	59.5(4.3)
	1990	72.4(1.3)	71.4(1.9)	73.5(1.4)	75.5(1.4)	59.6(2.8)	67.9(4.1)
	1986	69.9(1.7)	71.5(2.0)	68.5(2.1)	74.2(1.8)	52.3(4.6)	60.8(4.8)
	1982	60.6(1.4)	63.9(1.9)	57.6(1.7)	65.7(1.4)	35.9(3.9)	39.7(3.8)
Estimate weight	1999	56.1(1.1)	57.1(1.7)	55.3(1.4)	60.1(1.2)	44.7(1.9)	43.4(5.4)
	1996	59.6(1.4)	63.7(1.6)	55.8(1.9)	62.3(1.6)	51.5(3.4)	52.4(4.0)
	1994	58.6(1.4)	57.4(2.3)	59.7(1.8)	61.3(1.4)	50.5(3.5)	50.7(4.2)
	1992	62.3(1.2)	62.1(1.9)	62.6(1.9)	66.1(1.2)	44.5(4.0)	56.5(4.4)
	1990	63.6(1.7)	64.5(2.1)	62.7(2.1)	65.2(1.9)	57.9(4.1)	57.2(8.2)
	1986	62.9(1.3)	65.6(2.0)	60.5(1.6)	65.6(1.3)	52.1(2.9)	55.6(5.3)
	1982	45.9(1.7)	48.4(2.5)	43.5(1.6)	48.5(2.1)	30.6(3.4)	41.8(5.1)
Estimate total weight	1999	54.3(1.3)	56.6(1.5)	52.2(1.7)	59.8(1.3)	36.4(2.1)	39.4(6.2)
	1996	55.6(1.8)	58.5(2.5)	52.9(1.7)	59.8(2.2)	35.7(3.8)	49.5(5.7)
	1994	54.6(1.5)	57.7(2.1)	51.8(1.5)	58.7(1.5)	40.1(4.7)	46.4(4.4)
	1992	53.6(1.8)	54.9(2.3)	52.2(2.1)	57.9(1.8)	36.8(4.3)	43.8(3.4)
	1990	53.3(1.8)	56.3(2.4)	50.3(2.0)	55.8(2.1)	43.7(4.1)	45.3(5.1)
	1986	50.0(1.4)	51.6(2.1)	48.6(1.9)	53.7(1.6)	34.6(3.3)	36.1(3.5)
	1982	41.0(1.5)	44.9(1.8)	37.4(2.0)	43.0(1.5)	27.4(2.8)	40.7(2.6)
Estimate cost of pencils	1999	89.5(0.9)	89.2(1.0)	90.1(1.3)	91.6(1.1)	82.9(1.9)	82.9(2.2)
	1996	90.2(0.7)	92.6(1.0)	87.8(1.2)	91.4(0.8)	84.1(3.0)	87.3(2.0)
	1994	89.4(0.7)	90.6(1.0)	88.2(1.2)	91.4(0.9)	82.4(1.9)	85.4(2.2)
	1992	89.9(0.7)	91.3(0.9)	88.4(0.9)	91.6(0.8)	85.0(1.6)	82.7(3.1)
	1990	91.1(0.7)	92.1(0.9)	90.1(0.9)	91.9(0.9)	89.2(1.8)	84.0(3.6)
	1986	89.4(0.7)	89.8(1.2)	89.0(1.1)	91.8(0.7)	77.9(2.7)	85.5(3.8)
	1982	78.6(1.0)	81.8(1.3)	75.7(1.7)	80.8(1.0)	69.0(3.0)	65.9(5.8)
Estimate cost using percent	1999	45.0(1.4)	47.7(2.1)	42.6(1.8)	45.2(1.5)	43.2(3.8)	41.9(4.9)
	1996	44.7(1.8)	48.6(1.9)	41.0(2.8)	45.2(2.1)	44.3(4.8)	39.1(3.8)
	1994	42.0(1.7)	47.5(1.7)	36.7(2.1)	43.3(2.1)	35.1(3.0)	42.9(3.2)
	1992	44.0(1.2)	47.2(1.5)	40.6(1.9)	45.3(1.5)	36.4(3.2)	47.7(4.3)
	1990	47.0(1.2)	51.8(1.9)	42.2(1.5)	48.1(1.4)	43.1(3.3)	34.2(4.2)
	1986	44.1(1.4)	46.5(1.8)	41.9(1.8)	46.2(1.5)	37.0(3.2)	36.8(3.0)
	1982	44.0(1.6)	48.1(1.9)	40.3(1.9)	45.1(1.6)	35.7(3.6)	44.6(3.3)
Estimate difference in length	1999	80.5(1.0)	82.6(1.3)	78.8(1.2)	85.0(1.2)	64.3(2.0)	71.5(2.5)
	1996	82.2(1.2)	84.6(1.3)	80.0(1.8)	83.4(1.5)	75.8(2.4)	79.3(3.1)
	1994	78.1(1.3)	80.5(1.3)	76.1(1.9)	80.6(1.2)	66.7(4.5)	76.8(4.9)
	1992	81.8(1.3)	83.0(1.7)	80.6(1.6)	84.7(1.1)	68.5(4.6)	77.4(3.5)
	1990	80.7(1.2)	81.3(1.8)	80.0(1.2)	82.9(1.1)	69.8(4.6)	74.6(8.1)
	1986	82.5(0.9)	82.7(1.3)	82.2(1.1)	86.9(0.8)	65.0(2.1)	66.9(5.5)
	1982	72.6(1.4)	73.9(2.0)	71.3(1.6)	76.2(1.6)	57.0(4.2)	57.4(4.1)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Use deductive reasoning	1999	80.8(0.9)	80.4(1.1)	81.4(1.3)	83.5(1.0)	73.3(1.8)	72.1(3.6)
	1996	82.2(1.2)	83.5(1.3)	81.0(2.0)	84.5(1.6)	72.9(1.8)	75.9(3.3)
	1994	78.7(1.3)	78.8(1.6)	78.8(1.8)	81.3(1.2)	72.0(3.9)	69.8(6.5)
	1992	78.5(0.9)	77.8(1.4)	79.3(1.0)	81.2(0.9)	68.3(2.8)	67.4(4.8)
	1990	80.2(1.4)	79.2(1.7)	81.3(1.8)	83.6(1.3)	70.6(4.1)	66.0(6.9)
	1986	78.7(0.9)	77.8(1.3)	79.5(1.4)	81.4(1.1)	69.8(4.1)	65.2(3.5)
	1982	81.7(1.0)	80.4(1.8)	82.9(1.2)	83.1(1.1)	74.6(3.2)	75.6(4.0)
Determine age relationship	1999	89.2(0.9)	89.8(1.3)	88.9(0.9)	92.4(0.9)	75.7(2.0)	86.3(4.0)
	1996	89.5(0.9)	91.9(1.2)	87.3(1.4)	92.4(1.2)	79.8(2.5)	77.4(2.4)
	1994	87.8(1.1)	88.7(1.2)	86.8(1.6)	90.1(1.0)	79.8(2.6)	82.3(5.2)
	1992	89.0(0.7)	90.2(1.0)	87.8(1.2)	91.1(0.7)	79.3(2.9)	84.0(2.6)
	1990	86.8(1.0)	86.9(1.4)	86.8(1.0)	89.3(1.0)	79.2(2.6)	72.1(5.4)
	1986	86.3(1.1)	87.6(1.2)	85.1(1.5)	89.4(1.0)	71.8(3.3)	82.3(4.2)
	1982	79.7(1.3)	80.8(1.5)	78.7(1.6)	82.4(1.2)	63.6(3.0)	73.9(4.3)
Identify valid conclusion	1999	84.1(1.0)	83.2(1.5)	85.0(1.2)	87.1(1.0)	76.1(2.9)	75.6(3.3)
	1996	85.0(1.1)	84.0(1.3)	86.0(1.4)	86.4(1.2)	81.0(3.8)	78.4(3.2)
	1994	84.3(1.1)	82.3(1.6)	86.7(1.2)	86.6(1.2)	79.2(2.9)	76.8(3.3)
	1992	84.7(1.1)	81.6(1.7)	87.9(1.2)	86.1(1.3)	81.4(2.6)	75.0(3.6)
	1990	81.8(1.0)	79.1(1.6)	84.5(1.3)	83.9(1.0)	78.2(2.9)	70.3(4.5)
	1986	78.3(1.4)	75.8(2.0)	80.7(1.6)	80.9(1.3)	70.4(4.4)	67.0(5.7)
	1982	69.3(1.2)	66.5(1.6)	71.9(1.4)	71.0(1.3)	63.9(4.5)	57.5(3.9)
Identify valid conclusion	1999	36.4(1.1)	38.6(2.0)	34.4(1.5)	39.0(1.4)	25.2(1.9)	33.6(4.2)
	1996	38.4(1.1)	42.8(1.5)	34.2(1.2)	40.4(1.6)	26.6(3.1)	32.3(4.2)
	1994	36.0(1.4)	39.6(1.9)	32.2(1.5)	38.3(1.5)	27.6(2.8)	29.3(4.2)
	1992	37.2(1.3)	40.6(2.1)	33.7(1.2)	39.9(1.3)	28.2(3.4)	27.9(4.1)
	1990	38.7(1.4)	40.8(1.9)	36.6(1.7)	41.1(1.6)	26.5(2.3)	36.7(3.4)
	1986	41.9(1.3)	44.8(2.1)	39.3(2.1)	44.1(1.5)	31.6(2.9)	36.8(3.8)
	1982	56.6(1.2)	61.3(1.8)	52.0(1.8)	59.4(1.1)	41.7(3.9)	49.6(3.8)
Identify false statement	1999	57.7(1.4)	58.8(1.6)	56.8(2.0)	62.6(1.8)	44.2(2.5)	43.3(3.9)
	1996	57.2(1.7)	58.5(2.0)	56.1(2.1)	61.7(2.3)	46.4(4.3)	37.6(4.1)
	1994	53.2(1.5)	55.5(2.0)	51.2(1.9)	57.0(1.3)	43.1(3.7)	36.8(5.8)
	1992	51.6(1.2)	54.2(1.9)	48.9(1.6)	55.1(1.3)	38.5(4.6)	39.6(3.8)
	1990	51.2(1.5)	51.5(2.1)	50.9(1.8)	55.2(1.5)	39.1(5.4)	32.9(5.5)
	1986	51.0(1.7)	53.1(2.2)	49.0(1.9)	55.1(1.8)	35.7(4.1)	37.0(5.1)
	1982	50.4(1.3)	51.2(1.5)	49.7(2.0)	54.8(1.4)	29.5(3.1)	33.2(3.8)
Compute using data in table	1999	34.4(1.3)	34.8(1.7)	34.2(1.7)	41.3(1.5)	11.6(2.4)	20.1(3.2)
	1996	34.1(1.2)	35.9(1.4)	32.5(1.8)	37.9(1.6)	20.2(3.6)	20.9(2.9)
	1994	30.0(1.3)	30.9(1.7)	29.1(1.5)	34.8(1.6)	14.5(2.7)	18.6(4.0)
	1992	33.8(1.3)	33.6(2.2)	34.1(1.0)	37.1(1.5)	18.4(3.1)	24.2(2.4)
	1990	32.2(1.7)	34.8(2.5)	29.5(1.8)	36.6(1.7)	16.7(2.9)	14.1(5.8)
	1986	34.6(1.4)	34.6(2.3)	34.5(1.7)	39.7(1.6)	17.2(2.7)	15.6(4.9)
	1982	43.5(1.6)	45.5(1.8)	41.6(2.2)	48.2(1.7)	21.6(4.6)	23.8(3.9)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Interpret data in table	1999	71.3(1.3)	73.7(1.6)	69.3(1.8)	78.1(1.4)	44.4(3.2)	62.2(5.4)
	1996	72.0(0.9)	75.4(1.6)	68.9(1.2)	78.3(1.2)	44.2(3.5)	60.5(2.7)
	1994	68.5(1.5)	72.5(2.3)	64.9(2.0)	75.7(1.5)	45.0(3.6)	54.9(5.3)
	1992	70.7(1.7)	74.5(2.0)	66.7(1.8)	75.7(1.6)	46.0(4.1)	65.3(5.7)
	1990	70.2(1.5)	71.9(2.0)	68.5(1.5)	75.3(1.4)	49.3(4.7)	56.0(***)
	1986	65.4(1.5)	69.0(2.2)	62.2(1.9)	71.7(1.9)	38.4(2.7)	53.9(3.8)
	1982	66.4(1.4)	70.2(1.6)	62.6(2.0)	72.5(1.2)	33.6(3.7)	46.5(4.5)
Read line graph	1999	90.3(0.8)	90.0(1.2)	90.7(0.9)	93.7(0.8)	80.3(2.7)	79.5(3.7)
	1996	90.1(1.0)	92.9(0.9)	87.4(1.4)	92.6(1.1)	81.6(3.4)	81.5(3.8)
	1994	88.0(0.9)	90.1(0.8)	86.3(1.6)	90.6(1.2)	81.5(2.0)	81.0(3.3)
	1992	90.4(0.7)	90.9(1.0)	89.9(0.9)	91.4(0.7)	87.3(2.1)	84.6(3.0)
	1990	89.3(0.8)	90.4(1.1)	88.1(1.1)	90.8(0.8)	83.7(2.7)	86.6(3.2)
	1986	86.8(1.0)	88.3(1.5)	85.5(1.1)	91.0(0.9)	69.9(3.4)	75.4(3.8)
	1982	86.7(1.0)	89.1(1.3)	84.5(1.2)	90.2(0.9)	71.1(2.4)	70.8(4.4)
Interpret line graph	1999	82.1(1.0)	81.5(1.4)	82.8(1.1)	86.6(1.0)	65.7(2.9)	74.0(5.1)
	1996	80.8(1.0)	82.9(1.2)	78.9(1.4)	84.2(1.1)	67.9(3.5)	71.8(4.7)
	1994	79.9(1.2)	82.3(1.4)	77.7(1.7)	83.3(1.4)	62.9(4.0)	80.2(4.6)
	1992	78.6(1.6)	79.1(2.1)	78.1(1.8)	81.2(1.3)	64.6(4.3)	76.5(4.5)
	1990	79.2(1.0)	79.9(1.7)	78.6(1.2)	83.3(1.0)	65.1(3.3)	66.7(9.2)
	1986	76.3(1.3)	77.1(2.0)	75.6(1.7)	80.3(1.4)	61.1(3.5)	64.7(5.1)
	1982	77.3(1.5)	78.6(1.9)	76.0(1.7)	80.9(1.3)	62.5(3.4)	56.3(5.4)
Solve multi-step problem	1999	22.1(1.1)	28.0(1.8)	16.3(1.4)	26.7(1.2)	3.8(0.9)	13.8(3.4)
	1996	20.6(0.9)	27.6(1.6)	14.0(1.1)	24.3(1.1)	6.1(1.8)	11.3(3.1)
	1994	24.0(1.1)	31.8(1.8)	16.3(0.9)	28.8(1.3)	4.2(1.7)	17.9(5.2)
	1992	26.7(1.1)	32.1(1.6)	20.9(1.2)	31.0(1.1)	10.5(2.4)	11.2(4.2)
	1990	26.3(1.4)	31.5(2.0)	21.0(1.5)	30.6(1.4)	10.1(3.2)	8.5(4.2)
	1986	26.9(1.5)	32.3(2.1)	21.9(1.6)	31.3(1.7)	8.8(2.6)	13.3(3.1)
	1982	27.1(1.5)	30.9(2.0)	23.4(2.2)	31.4(1.5)	6.4(1.9)	13.0(4.2)
Solve multi-step problem (Calculator item - not scaled)	1999	29.4(1.6)	35.2(2.7)	24.0(1.8)	35.9(1.9)	8.2(1.8)	10.4(3.9)
	1996	27.1(1.6)	33.3(1.9)	20.7(1.6)	34.5(1.5)	7.1(1.8)	12.6(4.2)
	1994	32.9(1.7)	39.0(2.2)	27.2(2.0)	39.9(1.9)	8.7(1.6)	15.0(3.2)
	1992	32.8(1.2)	41.2(1.8)	24.3(1.3)	39.0(1.5)	10.1(3.2)	19.8(5.2)
	1990	31.7(1.5)	37.1(1.8)	26.9(1.9)	38.8(1.4)	7.6(1.3)	14.7(2.5)
	1986	33.1(1.7)	40.7(2.1)	25.2(2.2)	37.5(1.6)	12.8(2.4)	17.4(3.3)
	1982	25.8(1.1)	30.4(2.0)	21.5(1.6)	29.3(1.3)	8.6(1.8)	12.2(1.8)
Solve money problem (Calculator item - not scaled)	1999	77.4(1.4)	76.6(2.2)	78.2(1.4)	81.4(1.4)	59.5(3.2)	73.8(4.3)
	1996	72.7(1.1)	71.9(1.9)	73.6(1.4)	79.0(1.2)	56.4(4.2)	62.1(2.6)
	1994	75.1(1.4)	75.5(2.0)	74.7(2.0)	79.8(1.4)	59.9(3.7)	61.3(5.1)
	1992	70.7(1.4)	71.0(2.1)	70.4(1.7)	75.3(1.6)	50.3(3.0)	68.4(4.3)
	1990	68.3(1.5)	66.7(2.2)	69.8(1.8)	74.4(1.2)	48.2(5.0)	51.6(6.9)
	1986	67.7(1.6)	67.7(2.5)	67.7(1.5)	73.0(1.4)	42.2(4.1)	58.9(5.1)
	1982	67.0(1.0)	65.0(1.6)	68.8(1.4)	71.0(1.1)	48.4(2.7)	48.9(6.1)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Identify algebraic identity	1999	69.8(1.2)	69.9(2.0)	69.9(1.3)	75.6(1.3)	49.9(2.7)	55.7(3.8)
	1996	69.4(1.2)	70.8(1.8)	68.1(1.7)	73.7(1.4)	61.8(3.5)	48.6(3.2)
	1994	66.1(1.4)	63.7(2.0)	68.6(1.6)	69.9(1.5)	53.4(4.7)	53.3(5.6)
	1992	67.1(1.1)	65.3(1.5)	69.0(1.4)	71.0(1.4)	52.0(4.3)	50.7(3.9)
	1990	64.8(1.9)	64.1(2.5)	65.4(1.8)	68.6(1.8)	50.7(5.3)	48.8(***)
	1986	63.8(1.5)	63.7(1.7)	63.9(2.4)	68.5(1.3)	44.1(4.1)	42.9(5.1)
	1982	64.2(1.9)	63.2(2.4)	65.1(2.1)	69.8(1.6)	42.4(3.5)	26.9(4.9)
Relate meter to yard	1999	69.8(1.8)	76.4(1.9)	63.8(2.4)	77.0(2.2)	44.7(2.9)	53.6(4.7)
	1996	69.3(1.6)	73.6(1.9)	64.8(2.0)	76.8(1.7)	49.0(3.3)	60.0(3.6)
	1994	73.9(1.8)	80.3(1.7)	67.8(2.5)	80.9(1.6)	51.3(4.5)	57.4(5.0)
	1992	70.6(1.6)	76.7(1.9)	64.6(2.1)	76.9(1.4)	43.5(2.4)	71.5(4.8)
	1990	67.2(1.7)	75.2(1.7)	60.1(2.3)	74.3(1.5)	42.3(4.4)	53.6(3.9)
	1986	69.3(1.4)	77.4(1.5)	61.1(2.0)	73.3(1.4)	45.5(3.6)	70.9(7.9)
	1982	71.6(1.4)	79.1(1.9)	64.3(1.6)	76.2(1.4)	47.4(3.1)	57.2(4.2)
Estimate height of door (Item not scaled)	1999	85.7(1.3)	90.8(1.2)	81.1(1.8)	90.0(1.6)	69.7(2.6)	78.7(2.2)
	1996	83.5(1.2)	90.1(1.5)	77.2(1.8)	87.0(1.3)	67.3(4.0)	75.6(3.8)
	1994	81.0(1.0)	87.9(1.6)	74.1(1.6)	85.7(1.0)	62.2(2.9)	77.6(6.0)
	1992	86.3(0.8)	90.9(0.9)	81.5(1.1)	89.2(0.8)	71.5(3.3)	83.4(2.8)
	1990	84.3(1.1)	89.2(1.5)	79.2(1.4)	88.0(1.1)	75.0(2.8)	66.7(7.5)
	1986	82.3(1.4)	89.8(1.2)	75.4(2.0)	85.0(1.6)	71.9(3.6)	71.7(3.9)
	1982	82.5(1.0)	89.6(1.3)	75.9(1.6)	85.9(0.9)	62.8(2.9)	78.7(3.3)
Solve multi-step problem (Calculator item - not scaled)	1999	25.9(1.3)	25.4(1.6)	26.4(1.7)	28.9(1.3)	9.9(1.8)	28.1(5.5)
	1996	28.0(1.8)	26.3(1.8)	29.6(2.5)	33.2(2.3)	13.5(2.6)	18.4(2.8)
	1994	27.9(1.6)	28.4(2.3)	27.4(1.7)	32.1(1.8)	14.0(2.4)	19.0(4.2)
	1992	31.9(1.2)	34.6(1.9)	29.2(1.5)	36.4(1.4)	15.4(4.0)	22.1(3.5)
	1990	30.9(1.5)	33.6(1.8)	28.5(1.8)	36.8(1.5)	13.7(2.6)	15.2(2.8)
	1986	26.4(1.8)	27.3(2.2)	25.5(2.3)	28.7(2.2)	13.1(2.8)	17.7(3.6)
	1982	25.1(1.5)	26.6(1.5)	23.7(2.1)	28.2(1.6)	9.9(2.2)	13.5(3.9)
Estimate circumference	1999	26.3(1.3)	27.8(1.7)	24.9(1.7)	30.1(1.7)	10.5(1.3)	21.2(3.2)
	1996	24.0(1.7)	26.1(2.1)	22.0(1.9)	26.7(2.1)	13.0(2.4)	14.3(2.9)
	1994	22.3(1.7)	25.2(2.3)	19.5(2.0)	25.6(2.2)	10.1(2.0)	12.8(2.3)
	1992	23.5(1.3)	26.5(1.9)	20.4(1.7)	26.3(1.4)	10.3(2.3)	14.5(2.7)
	1990	23.7(1.6)	27.8(1.7)	19.5(1.8)	26.1(1.8)	13.7(3.4)	14.5(4.7)
	1986	19.9(1.1)	23.0(1.5)	17.0(1.8)	22.9(1.4)	6.7(1.5)	14.0(4.1)
	1982	16.9(1.3)	20.4(2.1)	13.4(1.5)	19.3(1.5)	5.6(1.5)	5.6(3.6)
Find area given perimeter	1999	48.8(1.7)	49.7(2.3)	47.9(2.1)	53.7(2.2)	27.9(2.5)	40.8(5.0)
	1996	49.4(2.3)	49.7(2.6)	49.2(3.0)	53.1(2.7)	30.3(3.0)	37.4(3.5)
	1994	45.6(2.0)	47.1(2.6)	44.1(2.1)	49.7(2.4)	23.4(2.6)	47.2(8.2)
	1992	44.6(1.4)	46.8(1.5)	42.3(1.9)	47.8(1.5)	33.1(3.2)	30.2(3.6)
	1990	43.1(2.2)	44.5(2.8)	41.7(2.4)	46.5(2.3)	29.3(6.0)	27.1(5.2)
	1986	38.7(1.7)	39.4(2.2)	38.0(2.1)	42.0(1.8)	21.2(4.5)	23.8(3.4)
	1982	34.0(2.1)	36.1(2.7)	32.0(2.3)	37.2(2.4)	17.7(2.4)	19.6(3.2)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Find area of rectangle	1999	72.7(1.8)	72.2(2.1)	73.3(2.2)	78.4(2.0)	46.8(4.6)	62.4(3.5)
	1996	73.5(1.6)	75.2(1.7)	72.0(2.0)	77.7(1.7)	59.4(3.7)	53.9(4.5)
	1994	69.8(1.6)	71.7(2.1)	68.2(2.0)	72.9(1.9)	52.8(3.8)	66.9(4.4)
	1992	68.9(1.6)	70.1(2.6)	67.7(1.5)	72.5(1.6)	47.9(4.0)	68.3(4.1)
	1990	66.4(1.7)	68.9(2.2)	63.9(1.8)	69.1(1.7)	55.7(3.7)	54.2(***)
	1986	62.7(1.7)	63.4(2.1)	62.0(2.0)	65.7(2.0)	49.8(4.8)	50.6(4.0)
	1982	73.9(1.5)	75.3(2.1)	72.7(1.6)	76.3(1.7)	60.5(4.4)	68.3(4.0)
Apply vertical angles	1999	92.7(0.8)	91.9(0.9)	93.7(0.9)	95.2(0.6)	82.0(2.1)	88.5(3.6)
	1996	93.2(0.7)	93.5(0.9)	92.9(1.2)	94.1(0.7)	87.3(2.3)	91.1(3.0)
	1994	93.0(0.8)	92.9(1.0)	93.3(1.0)	95.2(0.6)	83.5(3.9)	93.8(2.7)
	1992	91.1(0.8)	92.3(0.8)	89.8(1.0)	92.9(0.7)	84.7(3.1)	84.8(3.6)
	1990	89.6(0.9)	89.6(1.3)	89.6(1.1)	92.0(0.7)	79.7(3.5)	82.6(4.7)
	1986	88.0(1.2)	89.1(1.6)	87.0(1.4)	90.4(1.1)	78.0(3.1)	76.6(5.9)
	1982	85.1(1.1)	86.1(1.3)	84.3(1.9)	87.7(1.3)	74.9(2.1)	68.5(4.5)
Apply supplementary angles	1999	62.5(1.4)	63.4(1.5)	61.7(1.8)	69.8(1.6)	35.6(2.9)	44.5(5.4)
	1996	62.0(2.1)	63.0(2.6)	61.0(2.1)	66.7(2.6)	41.7(3.1)	48.9(4.3)
	1994	57.8(1.3)	61.4(2.2)	54.3(1.7)	63.3(1.1)	36.6(4.0)	47.7(6.6)
	1992	55.9(1.5)	57.3(1.9)	54.4(1.6)	61.3(1.4)	30.9(3.5)	41.2(3.7)
	1990	55.2(1.9)	58.6(2.6)	51.7(1.9)	60.0(2.1)	37.2(5.9)	34.9(3.6)
	1986	48.0(1.9)	50.8(2.2)	45.4(2.2)	53.9(2.0)	24.4(3.0)	25.7(4.4)
	1982	40.0(2.6)	42.6(2.8)	37.6(2.8)	45.5(2.7)	13.3(2.3)	13.2(3.6)
Identify sign of divisor	1999	65.3(2.1)	66.3(2.6)	64.3(2.4)	69.5(2.3)	45.8(3.5)	57.7(4.7)
	1996	64.0(1.9)	64.2(2.1)	63.7(2.1)	68.0(2.0)	51.4(3.3)	59.5(3.3)
	1994	65.1(1.5)	63.7(2.1)	66.3(2.0)	70.5(1.3)	49.4(4.0)	46.3(7.3)
	1992	64.5(1.5)	65.7(2.0)	63.3(2.0)	67.7(1.6)	49.2(5.4)	58.0(5.2)
	1990	60.3(1.5)	60.5(1.7)	60.1(1.9)	64.8(1.4)	45.0(5.5)	51.6(4.2)
	1986	58.6(2.2)	61.6(3.1)	55.6(2.0)	62.2(2.4)	38.6(4.3)	50.6(7.2)
	1982	59.4(1.9)	61.2(2.6)	57.8(2.2)	61.5(2.0)	44.7(4.4)	58.6(5.9)
Add whole numbers (Calculator item - not scaled)	1999	98.6(0.3)	98.6(0.4)	98.6(0.4)	98.6(0.3)	98.1(0.8)	99.7(0.4)
	1996	98.1(0.4)	97.7(0.6)	98.4(0.4)	98.4(0.4)	97.7(0.9)	95.6(1.8)
	1994	97.6(0.4)	97.9(0.5)	97.3(0.6)	98.0(0.4)	96.1(1.4)	98.2(1.1)
	1992	98.6(0.3)	98.3(0.5)	99.0(0.3)	99.0(0.3)	96.9(1.2)	98.7(0.9)
	1990	97.9(0.3)	97.5(0.4)	98.2(0.4)	98.3(0.3)	96.7(1.4)	96.9(1.5)
	1986	98.6(0.5)	98.7(0.5)	98.4(0.6)	99.3(0.2)	95.1(3.6)	96.3(1.8)
	1982	98.1(0.4)	97.8(0.5)	98.3(0.4)	97.9(0.4)	99.2(0.6)	98.3(1.3)
Add whole numbers (Calculator item - not scaled)	1999	97.1(0.4)	96.3(0.7)	97.8(0.5)	97.4(0.5)	97.4(1.0)	94.7(2.5)
	1996	97.7(0.3)	97.8(0.5)	97.6(0.5)	98.6(0.3)	96.5(1.2)	93.3(2.0)
	1994	97.6(0.4)	97.8(0.5)	97.4(0.6)	98.1(0.4)	97.6(1.1)	93.1(1.8)
	1992	97.9(0.4)	97.2(0.8)	98.7(0.4)	98.3(0.4)	96.2(1.4)	98.8(0.9)
	1990	98.4(0.3)	97.7(0.6)	99.1(0.3)	98.6(0.3)	97.9(1.4)	99.4(0.6)
	1986	98.4(0.4)	98.1(0.5)	98.6(0.6)	98.7(0.3)	96.3(2.2)	98.7(1.4)
	1982	97.7(0.4)	96.6(0.7)	98.8(0.4)	97.8(0.5)	97.6(0.9)	97.1(1.4)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Add whole numbers (Calculator item - not scaled)	1999	94.8(0.7)	94.7(0.7)	94.9(1.0)	94.6(0.8)	94.9(1.3)	95.3(2.3)
	1996	93.6(0.6)	92.2(0.9)	95.1(0.7)	94.8(0.7)	91.0(1.5)	91.3(2.6)
	1994	94.7(0.5)	94.2(0.8)	95.2(0.6)	95.8(0.5)	91.9(1.5)	89.5(3.1)
	1992	94.3(0.5)	93.8(0.9)	94.8(0.8)	95.6(0.6)	91.2(1.7)	88.9(3.0)
	1990	95.4(0.5)	94.2(0.9)	96.5(0.5)	96.2(0.5)	95.4(1.1)	90.5(2.4)
	1986	94.7(0.8)	93.6(1.3)	95.9(0.8)	96.0(0.7)	91.6(3.0)	89.0(3.7)
	1982	92.6(0.7)	90.1(1.3)	95.0(0.7)	93.7(0.6)	88.2(2.4)	87.3(3.1)
Multiply fractions	1999	59.9(1.5)	60.2(1.9)	59.8(2.1)	63.1(1.6)	43.7(3.8)	50.6(4.2)
	1996	67.7(2.0)	64.8(2.0)	70.6(2.6)	69.5(2.2)	63.2(3.7)	56.8(4.3)
	1994	71.9(1.5)	71.4(2.0)	72.5(1.7)	74.5(1.7)	63.2(3.9)	64.2(4.1)
	1992	74.6(1.2)	71.2(2.0)	78.1(1.5)	76.6(1.3)	65.2(3.5)	64.2(4.0)
	1990	76.7(1.5)	73.9(1.8)	79.6(1.6)	77.7(1.7)	73.5(2.5)	65.3(9.6)
	1986	75.1(1.2)	72.9(1.5)	77.2(1.7)	78.0(1.3)	66.1(3.0)	57.6(5.7)
	1982	71.6(1.4)	71.3(1.6)	71.8(1.9)	74.8(1.3)	58.2(1.9)	46.8(5.2)
Multiply fractions	1999	49.1(1.5)	50.2(1.9)	48.2(2.0)	53.7(1.7)	33.3(3.6)	33.1(3.7)
	1996	56.4(2.1)	54.4(2.2)	58.2(2.5)	59.7(2.4)	45.4(3.7)	43.5(4.1)
	1994	62.1(1.4)	62.8(1.8)	61.9(1.8)	65.2(1.8)	50.5(4.4)	54.3(5.0)
	1992	68.1(1.2)	66.0(1.8)	70.4(1.4)	70.9(1.4)	56.3(5.0)	55.5(4.5)
	1990	72.6(1.6)	70.7(1.8)	74.5(2.0)	73.5(1.8)	69.3(2.5)	60.9(9.8)
	1986	67.4(1.6)	63.5(1.9)	70.8(2.0)	69.5(1.7)	57.0(4.3)	57.6(5.0)
	1982	59.7(1.8)	60.2(2.0)	59.3(2.4)	63.9(1.7)	40.2(2.8)	33.3(5.1)
Multiply fractions	1999	57.5(1.7)	55.7(2.3)	59.5(1.9)	60.3(1.9)	41.9(3.8)	51.8(3.7)
	1996	65.3(1.5)	63.5(1.8)	67.1(2.2)	67.9(1.7)	56.1(3.2)	57.2(3.7)
	1994	71.2(1.4)	71.1(2.1)	71.6(1.5)	74.4(1.7)	59.5(3.8)	64.2(2.7)
	1992	74.4(1.1)	72.0(1.6)	76.9(1.7)	77.0(1.2)	62.4(3.8)	63.1(3.4)
	1990	78.2(1.3)	76.4(1.4)	80.0(1.6)	79.1(1.3)	76.8(2.2)	63.4(9.3)
	1986	75.4(1.3)	73.4(1.9)	77.2(1.6)	76.7(1.6)	69.9(2.9)	68.5(6.9)
	1982	69.4(1.7)	68.1(1.9)	70.7(2.0)	72.5(1.7)	53.4(2.7)	50.5(4.4)
Find percent given numbers	1999	79.5(1.2)	85.0(1.1)	74.5(1.9)	85.1(1.2)	54.2(3.0)	74.0(2.7)
	1996	75.8(1.5)	82.5(1.3)	69.5(2.3)	81.3(1.8)	54.6(3.9)	58.2(5.2)
	1994	73.7(1.5)	79.2(1.5)	68.4(2.1)	79.0(1.6)	55.9(2.3)	61.4(6.8)
	1992	76.0(1.4)	83.6(1.4)	68.0(1.9)	80.2(1.1)	63.2(3.5)	56.5(4.9)
	1990	72.9(1.6)	79.3(1.8)	66.3(1.9)	77.0(1.8)	58.7(5.3)	54.6(5.9)
	1986	72.5(1.6)	79.9(1.6)	65.6(2.2)	77.7(1.7)	52.9(3.5)	53.2(4.6)
	1982	74.3(1.5)	80.7(2.0)	68.4(2.1)	78.6(1.2)	45.6(3.1)	71.8(4.3)
Find percent of number	1999	71.5(1.2)	76.4(1.5)	66.9(1.8)	76.6(1.1)	51.6(2.5)	59.7(6.0)
	1996	69.3(1.2)	76.0(1.7)	62.9(2.0)	74.3(1.7)	52.3(3.6)	51.7(2.7)
	1994	66.9(1.3)	70.8(2.2)	63.0(1.9)	72.9(1.1)	48.4(3.9)	51.1(4.9)
	1992	69.9(1.1)	75.5(1.6)	64.1(1.6)	74.8(1.1)	48.7(3.6)	58.2(4.2)
	1990	68.9(1.2)	71.5(1.8)	66.3(1.6)	71.9(1.4)	57.3(4.5)	55.9(8.3)
	1986	63.9(1.3)	68.4(2.0)	59.8(1.4)	67.6(1.4)	43.6(3.5)	60.2(4.7)
	1982	54.1(1.9)	57.4(2.9)	51.1(2.2)	56.7(2.1)	36.4(2.7)	50.4(4.9)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Find percent greater than 100	1999	66.5(1.2)	72.2(1.6)	61.2(1.9)	75.6(1.3)	36.9(2.1)	43.5(5.8)
	1996	65.3(1.5)	71.9(1.5)	59.2(2.0)	70.6(1.6)	42.3(3.9)	51.0(5.3)
	1994	60.7(2.1)	68.8(2.4)	52.9(2.4)	67.2(1.8)	36.8(4.9)	51.8(8.4)
	1992	63.7(0.9)	70.4(1.5)	56.7(1.6)	68.6(1.2)	41.6(3.9)	52.8(4.7)
	1990	63.3(1.8)	67.1(2.4)	59.5(1.9)	67.8(2.1)	46.2(4.6)	45.3(5.8)
	1986	56.3(1.4)	62.2(1.9)	50.8(1.7)	61.0(1.4)	34.0(3.2)	39.8(6.1)
	1982	46.4(2.6)	50.6(2.9)	42.5(2.7)	50.3(3.0)	22.5(2.9)	40.6(3.3)
Find number given percent	1999	41.6(1.2)	47.3(2.0)	36.2(1.5)	46.6(1.5)	27.4(2.2)	25.7(3.9)
	1996	39.2(1.5)	45.0(2.1)	33.7(1.4)	41.9(1.6)	28.3(3.8)	29.1(3.2)
	1994	39.2(1.4)	44.9(1.9)	33.4(2.0)	44.7(1.7)	22.0(2.8)	26.1(3.0)
	1992	39.7(1.5)	43.4(2.0)	35.8(1.8)	41.7(1.7)	33.1(3.7)	29.1(4.3)
	1990	37.6(1.3)	40.6(2.0)	34.6(1.7)	40.6(1.6)	21.1(2.1)	33.2(3.5)
	1986	32.0(1.2)	38.4(1.9)	26.0(1.2)	34.4(1.5)	19.7(2.6)	30.0(5.0)
	1982	36.4(2.1)	40.8(2.8)	32.4(2.1)	38.3(2.5)	24.5(2.4)	34.9(4.7)
Find percent given numbers (Calculator item - not scaled)	1999	72.3(1.4)	78.2(1.6)	66.9(2.0)	77.0(1.3)	48.5(2.8)	65.7(6.0)
	1996	68.7(1.1)	76.0(1.6)	61.1(1.5)	75.1(1.5)	52.8(3.8)	54.4(4.6)
	1994	69.0(1.6)	77.6(1.7)	60.9(1.9)	75.5(1.6)	46.1(3.5)	51.5(5.1)
	1992	66.4(1.4)	74.5(1.4)	58.2(2.0)	72.3(1.5)	46.3(3.7)	52.9(4.0)
	1990	62.9(1.5)	70.9(1.6)	55.8(1.8)	69.2(1.3)	43.6(3.6)	44.8(3.2)
	1986	63.4(1.7)	71.0(2.1)	55.6(1.9)	69.9(1.5)	35.7(4.1)	47.1(5.7)
	1982	60.3(1.4)	69.1(2.1)	52.2(2.1)	65.1(1.6)	32.5(2.6)	48.7(3.4)
Find percent of number (Calculator item - not scaled)	1999	67.5(1.4)	71.5(1.8)	63.9(2.1)	73.7(1.4)	45.1(3.2)	50.0(5.3)
	1996	64.6(1.6)	68.6(1.6)	60.5(2.3)	70.6(1.7)	48.5(3.9)	52.0(4.0)
	1994	65.9(1.6)	65.8(2.4)	65.8(1.8)	70.1(1.6)	51.4(3.9)	52.5(5.1)
	1992	66.8(1.5)	70.5(1.9)	63.1(1.8)	71.0(1.4)	49.0(4.2)	66.0(7.1)
	1990	63.1(1.7)	66.6(2.2)	59.9(2.1)	68.5(1.5)	45.9(4.7)	49.1(4.8)
	1986	63.7(1.9)	68.5(2.6)	58.7(2.1)	67.8(1.9)	43.5(4.3)	57.2(6.7)
	1982	55.5(1.8)	56.0(2.2)	55.1(2.5)	58.4(1.8)	40.1(3.7)	45.7(7.1)
Find percent greater than 100 (Calculator item - not scaled)	1999	66.2(1.4)	71.7(1.6)	61.1(2.1)	72.7(1.4)	41.4(2.4)	52.2(5.2)
	1996	58.2(1.4)	65.6(1.7)	50.6(1.6)	66.5(1.6)	33.8(2.6)	45.5(3.6)
	1994	61.9(2.1)	65.7(2.4)	58.4(2.5)	68.5(2.2)	42.9(4.4)	36.3(5.2)
	1992	60.0(1.5)	67.0(1.9)	52.9(2.2)	65.9(1.3)	36.8(4.5)	51.2(5.6)
	1990	58.8(1.7)	65.6(1.8)	52.7(2.3)	65.5(1.5)	36.4(4.8)	42.9(6.7)
	1986	56.9(2.2)	62.7(3.0)	51.0(2.2)	61.8(2.1)	33.7(5.5)	44.5(8.5)
	1982	49.8(1.8)	54.8(2.8)	45.2(2.5)	53.4(1.9)	33.2(3.9)	33.1(4.4)
Find percent given numbers (Calculator item - not scaled)	1999	55.4(1.9)	59.8(2.3)	51.3(2.7)	60.3(2.3)	33.2(2.7)	47.0(4.6)
	1996	52.2(1.2)	56.7(2.0)	47.6(2.0)	58.3(1.5)	36.4(2.5)	38.1(2.6)
	1994	50.8(1.9)	54.5(2.7)	47.3(2.6)	55.0(2.2)	37.9(3.8)	32.9(3.7)
	1992	50.4(1.7)	54.4(2.0)	46.4(2.2)	53.8(1.7)	34.8(3.6)	44.9(4.6)
	1990	45.4(1.4)	50.2(2.0)	41.2(2.1)	50.2(1.4)	30.2(4.3)	27.6(4.8)
	1986	42.9(1.9)	48.5(3.1)	37.1(2.0)	46.2(2.0)	28.2(3.7)	30.6(4.9)
	1982	34.7(0.9)	40.5(1.4)	29.4(1.6)	36.4(1.1)	23.3(2.1)	29.6(2.4)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Find number given percent (Calculator item - not scaled)	1999	58.0(1.9)	60.6(2.9)	55.7(2.8)	64.3(2.0)	31.5(2.8)	48.3(5.9)
	1996	53.2(1.5)	55.3(1.7)	51.0(1.9)	60.7(1.8)	33.9(3.1)	37.8(3.5)
	1994	55.6(1.9)	57.2(2.5)	54.0(2.5)	61.6(2.0)	36.7(3.9)	35.7(5.1)
	1992	52.5(1.6)	56.5(2.0)	48.4(1.9)	57.2(2.0)	32.6(3.2)	45.9(4.9)
	1990	49.4(1.6)	53.0(1.9)	46.2(2.1)	54.5(1.4)	31.6(6.1)	39.8(4.6)
	1986	44.1(1.8)	47.0(2.8)	41.1(1.7)	48.8(1.8)	21.7(2.6)	33.2(6.6)
	1982	29.5(1.7)	32.6(2.2)	26.6(2.2)	32.3(2.0)	16.4(1.9)	15.0(3.5)
Subtract decimals	1999	63.3(1.2)	62.9(1.5)	63.8(1.7)	67.3(1.2)	41.4(3.5)	64.4(4.3)
	1996	67.9(1.6)	68.6(1.8)	67.4(2.4)	70.2(1.9)	58.4(4.2)	59.5(4.0)
	1994	69.0(1.5)	68.6(2.5)	69.9(1.7)	72.1(1.6)	52.7(4.2)	66.5(5.2)
	1992	74.3(1.2)	71.6(1.7)	77.0(1.5)	77.6(0.9)	61.2(3.7)	62.2(5.7)
	1990	74.0(1.5)	71.8(1.9)	76.3(1.7)	75.6(1.6)	66.3(2.5)	66.0(9.5)
	1986	72.2(1.1)	69.0(1.6)	75.2(1.6)	74.7(1.4)	61.3(3.7)	64.8(4.3)
	1982	73.8(1.3)	74.3(1.7)	73.3(1.7)	77.6(1.2)	52.9(4.2)	58.4(4.2)
Subtract decimals (Calculator item - not scaled)	1999	86.7(1.0)	88.9(1.4)	84.6(1.3)	87.6(1.3)	80.7(2.2)	85.4(2.6)
	1996	83.5(1.1)	85.2(1.4)	81.7(1.4)	85.6(1.2)	77.7(3.0)	84.0(2.4)
	1994	85.6(1.1)	86.6(1.2)	84.7(1.5)	86.9(1.2)	80.5(2.2)	84.9(3.9)
	1992	86.4(0.7)	87.5(1.2)	85.3(1.3)	88.0(1.0)	81.0(3.0)	87.0(3.0)
	1990	86.9(0.8)	87.8(1.2)	86.1(1.2)	88.0(0.9)	80.7(2.2)	88.2(2.8)
	1986	85.9(1.0)	85.1(1.5)	86.6(1.5)	88.1(1.2)	76.1(3.1)	79.4(3.8)
	1982	84.7(1.1)	84.6(1.5)	84.8(1.3)	86.6(1.3)	76.0(3.0)	75.6(3.1)
Divide decimals (Calculator item - not scaled)	1999	70.1(1.4)	69.8(1.5)	70.4(1.8)	74.7(1.5)	52.7(3.0)	62.9(3.9)
	1996	72.8(1.3)	70.0(1.9)	75.7(1.3)	77.9(1.7)	60.2(3.7)	60.7(3.3)
	1994	75.7(1.2)	73.2(1.6)	77.9(1.4)	79.1(1.4)	67.4(3.8)	59.1(5.5)
	1992	78.9(1.2)	77.0(1.7)	80.9(1.6)	83.5(1.0)	59.0(4.5)	76.9(3.3)
	1990	78.6(1.5)	75.9(1.9)	81.0(1.6)	83.8(1.0)	61.1(4.8)	66.6(4.6)
	1986	77.6(1.2)	76.0(1.8)	79.2(1.6)	84.5(1.0)	48.4(5.2)	55.5(5.5)
	1982	65.1(2.1)	62.4(2.9)	67.7(1.9)	70.2(2.5)	41.8(3.8)	41.6(2.5)
Add decimals (Calculator item - not scaled)	1999	87.5(0.7)	86.8(1.1)	88.2(1.2)	90.3(0.8)	74.7(2.4)	86.6(3.4)
	1996	87.1(0.9)	85.6(1.3)	88.6(1.1)	90.7(0.7)	76.9(3.0)	80.9(2.8)
	1994	88.4(0.9)	86.2(1.5)	90.5(1.1)	91.8(0.7)	74.9(3.2)	83.1(3.5)
	1992	89.5(1.0)	87.5(1.3)	91.5(1.2)	93.1(0.9)	76.5(2.8)	81.4(7.1)
	1990	89.8(1.0)	87.3(1.5)	92.1(1.0)	93.2(0.7)	79.2(3.0)	81.5(3.8)
	1986	88.4(1.3)	85.2(2.2)	91.7(0.9)	92.2(1.1)	69.0(4.4)	84.6(2.7)
	1982	86.0(1.0)	82.5(1.5)	89.2(1.1)	89.0(1.3)	72.1(3.8)	71.9(4.4)
Divide decimals (Calculator item - not scaled)	1999	80.8(1.3)	79.0(1.9)	82.4(1.6)	84.2(1.3)	67.3(2.9)	75.0(4.3)
	1996	80.2(1.0)	79.0(1.6)	81.4(1.3)	84.1(1.1)	67.3(3.3)	73.2(3.5)
	1994	81.0(1.4)	79.1(1.7)	82.8(1.7)	83.7(1.4)	69.7(3.7)	74.0(3.9)
	1992	78.7(1.4)	77.0(1.9)	80.4(1.7)	83.2(1.6)	60.4(3.9)	74.8(4.9)
	1990	77.7(1.3)	74.6(1.6)	80.4(1.6)	82.2(1.1)	62.7(3.3)	67.4(3.7)
	1986	74.9(2.1)	71.3(3.2)	78.6(1.5)	80.4(2.2)	47.1(4.9)	67.9(2.8)
	1982	70.7(1.4)	63.6(1.6)	77.2(1.9)	74.7(1.6)	53.9(5.6)	49.3(4.5)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Subtract decimals (Calculator item - not scaled)	1999	76.7(1.6)	74.4(2.1)	78.8(1.9)	81.7(1.7)	58.5(3.2)	66.7(4.6)
	1996	72.1(2.0)	70.9(2.1)	73.4(2.5)	76.5(2.6)	57.6(3.6)	66.3(3.2)
	1994	75.0(1.7)	72.9(1.9)	76.9(2.1)	78.9(1.6)	61.6(4.3)	62.3(5.7)
	1992	74.2(1.6)	73.7(2.3)	74.7(1.4)	78.9(1.6)	56.0(6.0)	69.6(3.7)
	1990	76.5(1.3)	73.8(1.8)	78.9(1.5)	80.1(1.4)	68.2(3.9)	63.1(4.1)
	1986	74.7(1.9)	71.9(2.6)	77.5(1.9)	78.9(2.0)	55.4(5.6)	69.1(4.0)
	1982	57.5(2.4)	48.6(2.7)	65.7(2.3)	62.1(2.9)	38.5(3.1)	30.3(4.4)
Divide decimals (Calculator item - not scaled)	1999	66.4(1.8)	65.2(2.5)	67.4(1.7)	68.8(1.8)	57.5(3.9)	60.4(6.0)
	1996	64.9(2.5)	65.2(3.0)	64.6(2.5)	67.1(2.9)	55.5(4.2)	66.3(3.9)
	1994	67.7(1.8)	66.4(2.2)	68.8(2.0)	71.0(1.9)	53.1(3.9)	62.8(4.6)
	1992	65.7(2.0)	62.7(2.3)	68.7(2.1)	70.4(2.2)	48.7(5.6)	60.2(4.1)
	1990	66.3(1.6)	63.6(1.8)	68.8(1.8)	71.1(1.6)	54.3(5.1)	51.3(4.7)
	1986	64.7(2.3)	61.2(3.2)	68.4(2.3)	69.3(2.4)	42.6(4.8)	59.3(5.5)
	1982	44.9(1.5)	36.7(2.0)	52.5(2.0)	48.4(1.8)	28.4(3.7)	27.4(5.1)
Estimate total cost	1999	33.6(1.3)	38.3(2.0)	29.3(1.2)	38.7(1.5)	16.8(1.9)	23.9(4.8)
	1996	34.9(1.3)	40.9(2.4)	29.2(1.8)	36.4(1.6)	28.0(4.9)	29.0(2.0)
	1994	32.8(1.6)	37.8(2.1)	27.8(1.6)	34.8(2.0)	20.8(3.1)	35.4(4.3)
	1992	33.9(1.3)	41.1(2.0)	26.3(1.3)	37.0(1.5)	20.9(3.8)	28.9(2.8)
	1990	37.4(1.3)	42.1(1.6)	32.6(1.9)	40.9(1.5)	22.5(2.2)	30.6(4.6)
	1986	35.5(1.5)	41.6(2.0)	29.9(1.7)	36.7(1.6)	28.0(3.5)	34.8(5.1)
	1982	29.6(1.5)	34.1(2.1)	25.5(1.6)	30.9(1.7)	21.1(3.1)	26.3(3.6)
Multiply equation by constant (Item not scaled)	1999	19.1(1.0)	22.8(1.5)	15.6(1.3)	20.4(1.3)	15.2(1.6)	12.4(3.8)
	1996	18.7(1.2)	22.5(1.7)	15.2(1.6)	20.1(1.4)	11.4(2.6)	11.5(2.1)
	1994	17.2(1.1)	20.5(2.0)	14.0(1.2)	18.9(1.4)	8.6(1.8)	12.5(1.8)
	1992	18.4(1.1)	21.7(1.5)	15.0(1.2)	19.7(1.1)	10.7(2.1)	11.7(3.7)
	1990	18.4(1.2)	22.1(1.8)	14.7(1.6)	18.7(1.2)	15.8(3.3)	9.7(3.0)
	1986	17.3(1.2)	19.3(1.6)	15.5(1.4)	18.3(1.4)	11.3(2.4)	14.7(3.5)
	1982	21.8(1.7)	23.9(2.2)	19.9(1.7)	22.6(2.1)	15.8(2.8)	21.7(3.3)
Solve equation (square root) (Calculator item - not scaled)	1999	57.7(2.2)	59.4(2.7)	56.1(2.4)	63.0(2.3)	34.6(3.2)	44.0(4.9)
	1996	56.3(2.0)	56.0(2.0)	56.7(2.6)	63.9(2.1)	37.0(3.1)	40.7(3.0)
	1994	58.0(1.8)	60.7(2.1)	55.3(2.4)	64.5(1.7)	36.3(4.3)	36.0(4.9)
	1992	58.4(1.7)	59.6(2.1)	57.1(2.0)	64.6(1.8)	33.7(4.9)	46.8(6.3)
	1990	53.3(1.8)	53.7(2.3)	52.9(2.1)	60.4(1.6)	31.5(4.7)	31.6(4.3)
	1986	51.2(1.8)	53.2(2.5)	49.1(2.3)	57.1(1.8)	24.0(4.3)	33.3(4.6)
	1982	45.7(2.6)	45.7(4.0)	45.8(2.1)	49.7(3.3)	27.1(3.4)	26.9(6.1)
Identify expected value (Item not scaled)	1999	66.0(1.2)	70.2(1.7)	62.1(1.6)	73.2(1.2)	42.6(3.1)	48.5(4.7)
	1996	65.3(1.2)	73.9(1.7)	57.1(2.0)	71.5(1.5)	35.4(2.6)	55.9(4.9)
	1994	63.6(1.6)	69.8(2.2)	57.4(1.7)	69.6(1.5)	42.9(2.6)	54.3(6.0)
	1992	63.7(1.4)	70.7(1.8)	56.4(1.8)	67.7(1.4)	47.4(3.6)	55.2(4.5)
	1990	62.6(1.7)	69.3(2.2)	56.0(1.8)	67.7(1.5)	44.2(3.8)	51.1(9.0)
	1986	61.2(1.6)	68.5(2.1)	54.4(1.9)	65.6(1.7)	45.9(3.9)	50.8(5.4)
	1982	78.8(1.5)	83.1(1.3)	74.7(2.5)	83.2(1.5)	59.2(3.8)	61.5(3.6)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Compute using data in table	1999	80.4(1.1)	79.8(1.4)	81.1(1.3)	84.2(1.1)	67.2(2.6)	73.1(5.6)
	1996	80.7(1.3)	83.9(1.0)	77.8(1.9)	84.2(1.7)	71.0(3.0)	66.3(3.2)
	1994	81.2(1.1)	83.2(1.6)	79.7(1.7)	84.5(1.0)	68.2(3.8)	76.2(5.1)
	1992	81.6(0.8)	83.4(1.1)	79.7(1.0)	84.5(0.8)	73.2(2.5)	69.9(4.2)
	1990	78.8(1.2)	79.9(1.5)	77.6(1.6)	80.0(1.4)	73.3(3.5)	70.4(6.3)
	1986	75.1(1.3)	77.3(1.5)	73.1(1.4)	78.6(1.3)	59.4(3.1)	68.0(5.7)
	1982	80.0(1.4)	80.0(1.8)	80.1(1.7)	84.2(1.1)	58.4(3.5)	65.8(3.6)
Interpret data in table	1999	87.6(0.8)	88.8(1.0)	86.6(1.0)	92.7(0.9)	70.4(2.0)	76.7(2.4)
	1996	90.6(0.9)	92.6(1.1)	88.7(1.2)	94.0(0.8)	81.3(1.9)	75.9(4.0)
	1994	88.5(0.9)	91.5(1.1)	85.7(1.3)	92.4(0.8)	77.9(3.3)	77.1(5.2)
	1992	88.0(0.8)	88.4(1.0)	87.6(1.4)	91.9(0.6)	73.3(3.0)	75.6(4.3)
	1990	88.6(1.0)	88.7(1.2)	88.5(1.3)	91.6(1.0)	80.5(3.4)	70.4(6.9)
	1986	87.9(1.1)	90.0(1.4)	85.9(1.3)	91.1(1.2)	76.0(2.8)	76.9(2.7)
	1982	87.8(1.0)	89.6(1.1)	86.2(1.6)	91.4(0.8)	70.4(3.5)	74.6(4.3)
Understand decimal place value	1999	79.2(1.2)	81.0(1.5)	77.7(1.8)	85.2(1.2)	57.9(3.1)	66.9(4.3)
	1996	81.5(1.1)	84.7(1.3)	78.6(1.6)	86.1(1.4)	66.5(3.8)	65.8(3.4)
	1994	76.9(1.4)	78.1(1.9)	76.0(1.7)	83.1(1.2)	53.7(3.4)	64.7(5.9)
	1992	79.4(1.4)	81.1(1.6)	77.6(1.9)	83.3(1.2)	62.8(4.8)	67.0(5.0)
	1990	76.6(1.4)	78.0(2.1)	75.3(1.5)	81.4(1.7)	58.0(4.3)	61.6(5.0)
	1986	70.5(1.3)	73.1(2.1)	68.2(1.5)	76.6(1.2)	41.8(4.9)	55.5(3.7)
	1982	73.3(1.7)	75.2(1.6)	71.6(2.0)	79.6(1.3)	41.0(3.6)	53.7(3.6)
Understand decimal place value	1999	79.4(1.0)	80.7(1.3)	78.3(1.4)	84.3(1.0)	60.5(2.1)	70.3(5.5)
	1996	78.8(1.2)	80.3(1.6)	77.4(1.6)	83.5(1.3)	67.2(3.5)	57.1(3.1)
	1994	75.7(1.2)	77.2(1.7)	74.4(1.9)	82.3(1.1)	54.3(3.4)	59.5(5.1)
	1992	76.4(1.7)	78.0(1.7)	74.8(2.1)	81.1(1.4)	57.9(4.7)	62.8(5.8)
	1990	74.1(1.5)	77.2(2.0)	70.9(1.8)	77.4(1.5)	61.8(5.6)	57.2(8.2)
	1986	69.4(1.7)	71.7(2.1)	67.4(2.1)	74.7(1.5)	48.1(4.9)	51.0(5.4)
	1982	71.6(1.7)	73.7(1.7)	69.7(2.5)	75.9(1.7)	46.7(4.5)	62.6(3.3)
Divide integers	1999	81.3(1.1)	78.1(1.4)	84.7(1.2)	84.7(0.9)	67.4(3.0)	73.4(6.5)
	1996	82.3(1.2)	79.0(1.7)	85.3(1.7)	84.7(1.5)	72.9(2.4)	73.1(5.2)
	1994	83.0(1.1)	80.8(1.7)	85.7(1.1)	84.8(1.3)	77.8(3.3)	76.3(3.2)
	1992	82.1(1.1)	79.6(1.6)	84.7(1.3)	83.6(1.3)	76.9(2.9)	73.0(3.3)
	1990	80.8(1.4)	78.2(1.7)	83.4(1.5)	82.2(1.5)	75.7(3.9)	69.9(6.2)
	1986	76.3(1.7)	75.0(2.4)	77.4(1.7)	78.2(1.8)	67.5(3.4)	66.3(6.1)
	1982	68.6(2.1)	70.0(2.4)	67.3(2.6)	71.2(2.5)	55.6(2.8)	55.7(3.7)
Divide integers	1999	70.9(1.3)	69.4(1.8)	72.5(1.5)	76.5(1.3)	50.2(3.3)	58.7(5.3)
	1996	69.3(2.1)	69.6(2.3)	69.0(2.8)	72.2(2.8)	60.2(3.0)	57.3(5.9)
	1994	70.3(1.5)	68.0(2.1)	73.1(1.6)	72.6(1.9)	60.5(3.1)	63.9(5.8)
	1992	69.9(1.5)	67.6(1.7)	72.3(1.9)	72.6(1.4)	59.3(4.6)	57.3(5.8)
	1990	67.4(1.6)	66.4(2.1)	68.5(1.8)	69.7(1.7)	59.1(5.8)	52.5(8.1)
	1986	61.6(1.7)	63.6(2.3)	59.8(2.1)	65.6(1.7)	43.8(3.6)	45.0(4.4)
	1982	60.2(2.2)	62.0(2.5)	58.6(2.5)	63.2(2.7)	42.8(3.6)	49.7(3.3)

(***) Standard error estimate is greater than 9.9

Question Description	Year	Total	Male	Female	White	Black	Hispanic
Understand opposite of integer	1999	76.1(1.5)	77.3(1.9)	75.1(1.9)	80.7(1.8)	59.4(3.0)	65.6(3.3)
	1996	76.5(1.6)	74.9(2.0)	78.0(1.8)	79.5(1.9)	64.6(3.6)	64.1(4.5)
	1994	73.4(1.0)	74.0(1.7)	72.7(1.5)	76.5(1.4)	59.6(2.7)	68.8(3.9)
	1992	73.9(1.0)	71.4(1.6)	76.5(1.4)	76.6(1.2)	61.2(4.5)	63.5(2.6)
	1990	72.0(1.8)	70.8(2.4)	73.3(1.9)	74.0(2.2)	63.5(4.9)	64.5(4.0)
	1986	68.0(1.6)	69.4(1.9)	66.7(2.1)	71.6(1.5)	52.1(4.4)	54.6(4.8)
	1982	67.5(2.0)	69.1(2.5)	66.0(2.1)	72.0(1.3)	46.1(4.1)	46.2(***)
Understand opposite of integer	1999	77.1(1.5)	76.8(2.0)	77.5(1.7)	80.6(1.7)	62.6(3.7)	72.1(8.0)
	1996	78.6(1.6)	76.7(1.9)	80.4(1.8)	81.8(1.6)	64.6(4.4)	68.0(5.0)
	1994	78.0(1.3)	77.2(2.0)	79.4(1.4)	80.9(1.4)	67.2(4.0)	72.3(3.5)
	1992	76.0(1.1)	75.0(1.4)	77.0(1.6)	78.5(1.2)	63.5(3.6)	67.8(3.6)
	1990	73.5(1.5)	72.2(2.1)	74.8(1.7)	76.6(1.7)	62.8(4.4)	60.5(4.4)
	1986	71.2(1.5)	69.6(2.0)	72.7(1.8)	74.3(1.6)	56.7(4.4)	57.1(4.6)
	1982	70.5(1.9)	69.4(2.2)	71.6(2.2)	75.1(1.6)	48.1(3.4)	53.0(6.7)
Convert decimal to fraction	1999	34.8(1.3)	35.8(1.8)	34.0(2.0)	39.7(1.5)	16.2(2.0)	24.7(3.3)
	1996	37.2(1.4)	39.0(1.9)	35.5(1.8)	40.9(1.8)	28.6(4.4)	18.9(3.5)
	1994	45.7(1.7)	44.8(2.0)	46.8(2.2)	48.6(1.9)	38.7(4.3)	31.8(4.6)
	1992	46.5(1.6)	44.3(2.1)	48.8(1.8)	49.7(1.7)	32.2(4.7)	34.6(3.3)
	1990	52.9(1.6)	52.3(2.1)	53.5(2.0)	57.1(1.4)	37.8(4.9)	35.0(5.5)
	1986	50.2(2.1)	50.5(2.7)	49.9(2.5)	53.7(2.4)	37.2(2.5)	34.5(5.1)
	1982	59.8(2.3)	58.0(2.2)	61.4(3.0)	65.8(2.3)	33.7(3.2)	30.7(3.7)
Convert decimal to fraction	1999	40.7(1.7)	44.5(2.5)	37.2(1.8)	46.8(2.1)	18.9(2.5)	27.2(3.5)
	1996	37.6(1.9)	42.5(2.4)	33.0(2.0)	42.4(2.4)	19.5(3.0)	21.4(3.1)
	1994	28.6(1.9)	32.9(2.7)	24.5(1.9)	33.3(2.2)	13.7(2.4)	19.3(3.3)
	1992	26.6(1.6)	30.4(2.1)	22.7(1.6)	29.8(1.7)	12.5(3.4)	18.7(3.3)
	1990	24.2(2.1)	30.4(2.7)	17.9(2.1)	26.8(2.3)	11.6(5.0)	9.8(2.8)
	1986	19.0(1.9)	24.1(2.6)	14.2(1.9)	21.0(2.2)	11.5(2.5)	9.1(2.8)
	1982	20.4(1.5)	24.8(2.3)	16.3(1.2)	23.1(1.8)	7.1(1.3)	8.9(1.8)

(***) Standard error estimate is greater than 9.9